

Recombinant Human ALDH1L1 Protein, MYC/DDK-tagged

Cat. No. ALDH1L1-474H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH1L1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP ⁺), and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family. Loss of function or expression of this gene is associated with decreased apoptosis, increased cell motility, and cancer progression. There is an antisense transcript that overlaps on the opposite strand with this gene locus. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	98.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	ALDH1L1 aldehyde dehydrogenase 1 family, member L1 [Homo sapiens]
Official Symbol	ALDH1L1
Synonyms	ALDH1L1; aldehyde dehydrogenase 1 family, member L1; formyltetrahydrofolate dehydrogenase , FTHFD; cytosolic 10-formyltetrahydrofolate dehydrogenase; 10 fTHF; cytosolic 10 formyltetrahydrofolate dehydrogenase; 10-FTHFDH; formyltetrahydrofolate dehydrogenase; 10-formyltetrahydrofolate dehydrogenase; aldehyde dehydrogenase family 1 member L1; FDH; FTHFD; 10-fTHF; DKFZp781N0997;
Gene ID	10840
mRNA Refseq	NM_012190
Protein Refseq	NP_036322
MIM	600249
UniProt ID	O75891

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